



**Europäisches Patentamt**  
**European Patent Office**  
**Office européen des brevets**



⑪ Publication number:

**0 536 901 A3**

12

**EUROPEAN PATENT APPLICATION**

②<sup>1</sup> Application number: 92308240.8

⑤<sup>1</sup> Int. Cl.<sup>5</sup>: **H04N 5/445**

② Date of filing: 10.09.92

③ Priority: 10.09.91 JP 230361/91  
10.09.91 JP 258581/91  
10.09.91 JP 258582/91

④ Date of publication of application:  
**14.04.93 Bulletin 93/15**

⑧ Designated Contracting States:  
**DE ES FR GB**

Ⓢ Date of deferred publication of the search report:  
**26.05.93 Bulletin 93/21**

(71) Applicant: **SONY CORPORATION**  
7-35, Kitashinagawa 6-chome

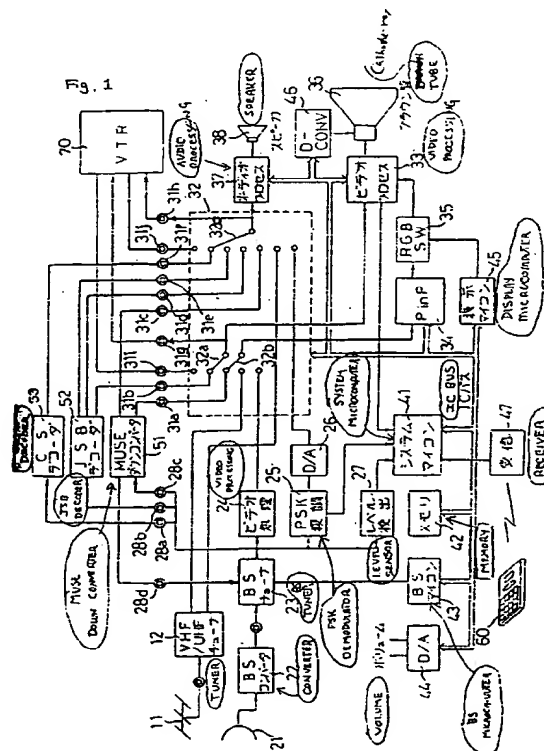
**Shinagawa-ku  
Tokyo(JP)**

(72) Inventor: Hayashi, Toshihide  
c/o 7-35 Kitashinagawa 6-chome  
Shinagawa-ku, Tokyo(JP)  
Inventor: Tsumori, Koki  
c/o 7-35 Kitashinagawa 6-chome  
Shinagawa-ku, Tokyo(JP)

74 Representative: **Nicholls, Michael John**  
**J.A. Kemp & Co., 14, South Square, Gray's**  
**Inn**  
**London WC1R 5LX (GB)**

⑤4 Display apparatus displaying operation menu.

57) A television receiver has a system controller and a memory that supplies data to a display micro-computer for displaying a menu of features, such as picture-in-picture, a broadcast satellite receive mode, a reservation of recording mode. The displaying microcomputer displays the menu on a sub-screen portion of a cathode-ray tube. A user selects a feature using a remote controller and the system controller displays cursor that moves under user control, and displays non-selected items in half-tone brightness or a different color.





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number

EP 92 30 8240

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X	GB-A-2 155 714 (RCA)	1,2,4,13	H04N5/445
A	* the whole document *	10	
	---		
A	IEEE COMPUTER GRAPHICS AND APPLICATIONS vol. 8, no. 5, September 1988, NEW YORK US page 65-84 B. MYERS 'WINDOW INTERFACES: A TAXONOMY OF WINDOW MANAGER USER INTERFACES' * page 81, left column, line 15 - line 26 *	7,8	
	---		
A	PATENT ABSTRACTS OF JAPAN vol. 15, no. 273 (E-1088) 11 July 1991 & JP-A-30 91 385 ( MITSUBISHI ) 16 April 1991 * abstract *	14	
	---		
A	PATENT ABSTRACTS OF JAPAN vol. 11, no. 195 (E-518)(2642) 23 June 1987 & JP-A-62 21 379 ( MATSUSHITA ) 29 January 1987 * abstract *	5,9,15	
	-----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H04N
Place of search THE HAGUE		Date of completion of the search 12 MARCH 1993	Examiner YVONNET J.W.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons * : member of the same patent family, corresponding document	

EPO FORM 150 (3.92) (P0601)